MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER 1921

J. A. BROWN, DIRECTOR

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Weather Bureau

PRINTED AT THE UNIVERSITY PRESS

DECEMBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min.on grass		
1	757.7	757.5	758.8	758.0	23.9	17.8			9.90
2	60.0	8.9	8.8	9.2	18.3	13.7			19.30
3	3.5	64.3	65.4	64.4	17.9	12.4			0.75
4	6.6	5.1	5.7	4.8	18.8	13.0			
5	6.0	5.1	5.8	5.6	19.3	14.1			
6	5.3	4.6	4.9	4.9	19.4	13 9			
7	4.7	3.8	3.1	3.9	19.9	15.0			
8	1.4	59.0	59.3	59.9	21.2	13.9			4.05
9	59.3	6.5	4.7	6.8	20.7	15.1			34.53
10	2.4	3.9	6.4	4.2	17.5	12.2			59.93
11	7.8	7.1	6.8	7.2	18.3	12.6			
12	60 2	61.3	62.0	61.2	17.7	12.8			32.09
13	7.7	7.7	8.4	7.9	17.2	11.6			1.78
14	7.8	5.9	5.4	6.4	17.2	11.7			
15	2.4	1.0	1.0	1.5	18.2	13.3			
16	0.8	0.1	0.8	0.6	16.7	12.2			20.55
17	2.0	1.5	2.5	2.0	16.6	12.2			19.16
18	2.4	2.1	2.5	2.3	16.6	10.6			3.56
19	2.5	1.5	1.5	1.8	17.1	10.6			12.93
20	1.2	0.4	1.6	1.1	17.7	11.7			5.20
21	3.4	2.8	2.5	2.9	10.7	11.7			
22	57.9	56.2	56.8	57.0	17.9	12.7			1.90
23	9.7	9.4	61.4	60.2	16.7	12.2			14.99
24	63.9	63.5	4.5	4.0	16.1	11.8			5.33
25	5.8	4.7	5.2	5.2	16.6	12.4			0.63
26	4.6	2.4	1.4	2.8	16.6	11.7			
27	58.8	59.7	60.6	59.0	17.1	13.7			51.30
28	62.3	63.4	4.2	63.3	16.6	8 9			19.81
29	6.3	5.9	7.1	6.4	16.3	11.0			9.26
30	9.0	8.5	9.3	8.9	16.7	10.6			5.45
31	7.0	4.8	5.1	5.6	17.7	12.2			0.51
	762.5	761.9	762.4	762.3	17.9	12.6			332.9

BAROMETER

Maximum	769.3	on 30th
Minimum	752.4	on 10th

THERMOMETER

Maximum	23.9	on 1st
Minimum	8.9	on 28th
Minimum on grass		on

RAINFALL

Maximum 59.93 mm. on 10th

Number of days with rain 22 thunderstorms 0 fog 0 gale 1

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METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	21.5	21.1	16.6	19.7	16.1	16.2	12.9	10.4	10.8	9.0	10.1	54	58	63	58
2	14.9	14.1	15.6	14.9	13.3	12.8	12.8	10.3	10.2	9.4	10.0	81	85	71	79
3	16.4	17.8	15.0	16.4	13.2	12.6	12.1	9.4	8.2	8.8	8.8	68	54	70	64
4	16.7	18.2	16.1	17.0	12.1	13.6	12.7	8.0	9.3	9.3	8.9	57	68	67	64
5	16.6	18.8	16.2	17.2	10.9	13.8	12.4	7.0	9.0	8.6	8.2	50	56	63	56
6	17.1	19.0	16.7	17.6	11.2	13.9	11.6	7.0	9.0	7.6	7.9	48	55	54	52
7	17.6	19.1	16.2	17.6	10.9	14.8	13.3	6 8	10.0	9.7	8.8	46	62	71	60
8	18.2	20.1	19.0	19.1	15.6	14.4	15.6	11.5	8.9	11.0	10.5	75	49	07	64
9	15.4	14.4	12.2	14.0	14.1	13.3	12.0	14.1	13.3	12.0	13.1	85	88	97	90
10	14.4	16.8	12.9	14.3	12.8	14.0	12.2	10.0	10.2	9.9	10.0	82	72	91	82
11	17.1	17.7	16.6	17.1	11.8	12.2	11.7	7.6	7.8	7.7	7.7	53	52	54	53
12	13.8	14.0	13.2	13.7	11.8	12.3	11.6	9.1	9.7	9.2	9.3	77	81	81	80
13	14.8	15.7	14.1	14.9	12.5	12.8	11.7	9.4	9.3	8.8	9.2	74	70	74	73
14	15.1	17.1	14.4	15.5	11.6	12.8	11.5	8.2	8.6	8.5	8.4	64	60	70	65
15	16.6	17.8	14.4	16.3	21.1	12.8	12.4	8.6	8.3	9.6	8.8	65	55	78	66
16	14.6	14.3	12.8	13.9	12.4	12.8	11.7	9.4	10.1	9.5	9.7	77	83	87	82
17	12.8	14.3	12.4	13.2	11.5	12.4	11.1	9.3	9.5	9.0	9.3	84	79	84	82
18	12.8	14.1	13.3	13.4	10.8	11.0	10.7	8.5	8.8	8.2	8.5	77	74	71	74
19	15.4	16.6	12.7	14.9	11.6	12.2	11.7	8.1	8.2	9.5	8.0	63	58	88	70
20	14.3	17.4	12.6	14.8	12 8	13.2	10.7	10.0	9.0	8.5	9.2	82	61	78	74
21	14.1	16.5	12.9	15.5	10.4	11.6	10.5	7.0	7.6	8.2	7.6	63	54	74	64
22	16.9	16.8	12.1	15.3	11.4	14.4	10.2	7.3	10.7	7.8	8.6	50	75	71	65
23	13.5	13.8	14.2	13.8	12.7	13.3	12.6	10.4	11.0	9.9	10.4	90	94	82	87
24	14.6	15.9	13.9	14.8	12.3	13.5	12.2	9.4	10.1	9.5	9.7	76	75	80	77
25	14.9	16.1	13.3	14.8	13.3	13.6	11.6	10.4	10.0	9.2	9.9	82	74	80	79
26	14.4	16.4	14.6	15.1	11.4	12.5	11.2	8.4	8.6	8.2	8.4	69	63	66	66
27	15.6	10.7	11.8	12.7	11.8	9.8	10.1	8.3	8.6	8.3	8.4	63	89	80	81
28	13.8	12.2	12.4	12.8	11.1	11.2	10.1	8.3	9.3	7.9	8.5	71	87	74	77
29	12.8	12.9	13.0	12.9	11.5	11.7	10.7	9.3	9.4	8.4	9.0	85	85	75	82
30	14.2	16.2	13.4	14.6	11.1	12.9	11.1	8.1	9.2	8.6	8.6	68	67	74	70
31	14.2	17.2	13.9	15.1	9 9	11.5	11.3	7.0	7.3	8.5	7.6	59	50	72	60
	15.3	16.3	14.1	15.2	12.4	12.9	11.8	9.0	9.4	8.9	9.1	69.3	68.8	73.5	71.2

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

DECEMBER 1921

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	8cu n	10n	10n	9.3	0	3sw	0	172.4	v. Slight	
2	10n	10n	7n	9.0	1sw	2s	3sw	233.3	,,	
3	7cu n	2cu	0	3.0	2ne	0	0	321.9	slight	
4	0	0	0	0.0	0	0	1s	355.6	calm	
5	5s	0	0	1.7	0	0	0	115.6	,,	
6	0	4s	0	1.3	0	0	0	124.5	,,	
7	0	8cu ci	1cu	3.0	0	0	1ne	93.3	,,	
8	10n	9cu n	10n	9.7	0	0	0	172.7	,,	
9	10n	10n	10n	10	0	0	1s	160.9	v. Slight	
10	10n	9cu n	10n	9.7	2sw	3sw	0	313.8	,,	
11	8cu s	7cu n	10cu n	8.3	2sw	3sw	2sw	327.5	slight	Gale at night
12	10n	10n	7cu	9.0	5sw	4sw	1sw	365.9	v. rough	
13	8cu n	8cu n	5cu	7.0	0	0	0	193.1	slight	
14	8cu s	9s	8s ci	8.3	0	0	0	313.3	v. Slight	
15	0	8cu s	0	2.7	0	1nw	0	24.1	calm	Few drops in
16	6cu	9cu n	10cu n	8.3	1s	1sw	0	160.4	,,	p.m.
17	10n	10cu n	10n	10	3sw	0	0	352.8	,,	
18	10n	10n	7n	9.0	0	1sw	1sw	220.5	,,	
19	9cu n	9cu n	10n	9.3	2sw	1w	1sw	323.0	,,	
20	9cu n	7cu n	6n	7.3	1sw	3sw	2n	187.4	,,	
21	0	1cu	0	0.3	0	1nw	0	110.7	,,	Few drops at
22	10cu n	10n	4n	8.0	0	1ne	0	183.4	,,	night
23	10n	10n	6n	8.7	0	0	1nw	162.2	,,	
24	1ci	1cu	4n	2.0	1sw	1sw	0	532.6	calm	
25	10n	4cu	0	4.7	0	0	0	250.9	,,	
26	0	0	10cu n	3.3	0	1ne	0	36.7	,,	
27	10n	10n	9n	9.7	2sw	0	2sw	298.7	slight	
28	10n	10n	0	6.7	1sw	1sw	0	455.9	rough	
29	10n	10n	0	6.7	0	1sw	0	113.6	v. Slight	
30	3cu	0	0	1.0	0	1sw	0	107.7	calm	
31	10cu ci	10cu n	10n s	10	0	0	0	43.7	v. Slight	
				6.35				220.3		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	1	0	0	1	10	0	0	19
2:30	0	2	0	0	1	11	1	2	14
8:30	1	1	0	0	2	6	0	1	20
Totals	1	4	0	0	4	27	1	3	53